



DOCKET NO. ISIC0010-101(CHEM0004US.P1)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Muthiah Manoharan, Brenda Baker, Anne Eldrup, Balkrishen Bhat, Richard H. Griffey, Eric E. Swayze, Thazha P. Prakash, and Stanley T. Crooke

Group Art Unit: 1614

Examiner: Not Yet Assigned

Title: Cross-Linked Oligomeric Compounds and Their Use in Gene Modulation

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a



Utility Patent



Design Patent

is sought on the invention, whose title appears above, the specification of which:



is attached hereto. ☒ was filed on November 4, 2003 as Serial No. 10/701,012



said application having been amended on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a-d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

DOCKET NO. ISIC0010-101(CHEM0004US.P1)

PATENT

Priority Claimed (If X'd)	Country	Serial Number	Date Filed
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Serial Number	Date Filed	Patented/Pending/Abandoned
10/606,510	June 26, 2003	Pending
10/078,949	February 20, 2002	Pending
09/479,783	January 7, 2000	Pending
08/870,608	June 6, 1997	Patented
08/659,440	June 6, 1996	Patented

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

Serial Number	Date Filed
60/423,760	November 5, 2002

DOCKET NO. ISIC0010-101(CHEM0004US.P1)

PATENT

I hereby appoint:

☒ Practitioners at Customer Number: 34138

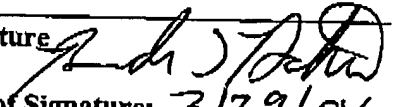

to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Address all telephone calls and correspondence to:

Christine A. Goddard
COZEN O'CONNOR
1900 Market Street
Philadelphia PA 19103
Telephone No.: (215) 665-2000
Facsimile No.: (215) 665-2013

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

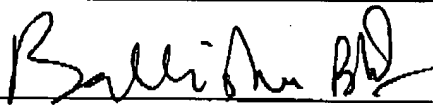
Name: Muthiah Manoharan	Signature _____ Date of Signature: _____ Citizenship: <u>United States of America</u>
Mailing Address: 25 Circle Drive Weston, Massachusetts 02493	
City/State of Actual Residence: Weston, Massachusetts	

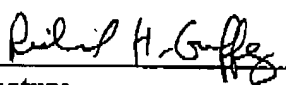
Name: Brenda Baker	Signature  Date of Signature: <u>3/29/04</u> Citizenship: <u>United States of America</u>
Mailing Address: 2147 Avenida Toronga Carlsbad, California 92009 <u>2927 Rancho Cortes</u>	
City/State of Actual Residence: Carlsbad, California 92009	

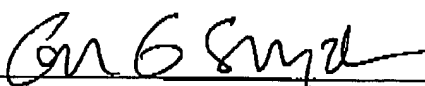
DOCKET NO. ISIC0010-101(CHEM0004US.P1)

PATENT

Name: Anne Eldrup	Signature Date of Signature: _____ Citizenship: <u>Denmark</u>
Mailing Address: 816 Ridgebury Rd. Ridgefield, CT 06877	
City/State of Actual Residence: Ridgefield, CT 06877	

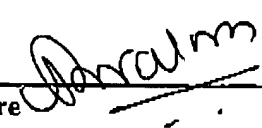
Name: Balkrishen Bhat	 Signature Date of Signature: <u>3/11/04</u> Citizenship: <u>India</u>
Mailing Address: 911 Rosemary Avenue Carlsbad, California 92009	
City/State of Actual Residence: Carlsbad, California 92009	

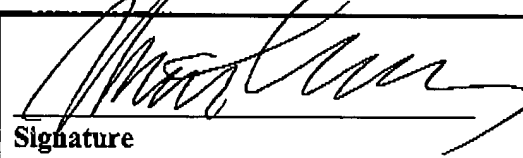
Name: Richard H. Griffey	 Signature Date of Signature: <u>2-19-04</u> Citizenship: <u>United States of America</u>
Mailing Address: 360 Barsby Street Vista, California 92084	
City/State of Actual Residence: Vista, California 92084	

Name: Eric E. Swayze	 Signature Date of Signature: <u>3/19/04</u> Citizenship: <u>United States of America</u>
Mailing Address: 7789 Palenque Street Carlsbad, California 92009	
City/State of Actual Residence: Carlsbad, California 92009	

DOCKET NO. ISIC0010-101(CHEM0004US.P1)

PATENT

Name: Thazha P. Prakash	 Signature Date of Signature: <u>3/25/2004</u> Citizenship: <u>India</u>
Mailing Address: 6928 Peartree Drive Carlsbad, California 92009	
City/State of Actual Residence: Carlsbad, California 92009	

Name: Stanley T. Crooke	 Signature Date of Signature: <u>03/28/04</u> Citizenship: <u>United States of America</u>
Mailing Address: 3211 Piragua Street Carlsbad, California 92008	
City/State of Actual Residence: Carlsbad, California 92008	



DOCKET NO. ISIC0010-101(CHEM0004US.P1)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Muthiah Manoharan, Brenda Baker, Anne Eldrup, Balkrishen Bhat, Richard H. Griffey, Eric E. Swayze, Thazha P. Prakash, and Stanley T. Crooke

Group Art Unit: 1614

Examiner: Not Yet Assigned

Title: Cross-Linked Oligomeric Compounds and Their Use in Gene Modulation

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a

☒ Utility Patent☐ Design Patent

is sought on the invention, whose title appears above, the specification of which:

☐ is attached hereto. ☒ was filed on November 4, 2003 as Serial No. 10/701,012☐ said application having been amended on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a-d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

DOCKET NO. ISIC0010-101(CHEM0004US.P1)

PATENT

Priority Claimed (If X'd)	Country	Serial Number	Date Filed
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Serial Number	Date Filed	Patented/Pending/Abandoned
10/606,510	June 26, 2003	Pending
10/078,949	February 20, 2002	Pending
09/479,783	January 7, 2000	Pending
08/870,608	June 6, 1997	Patented
08/659,440	June 6, 1996	Patented

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

Serial Number	Date Filed
60/423,760	November 5, 2002

DOCKET NO. ISIC0010-101(CHEM0004US.P1)

PATENT

I hereby appoint:

☒ Practitioners at Customer Number:

34138

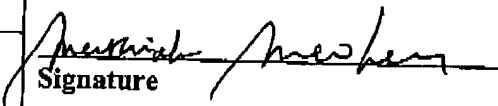


to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Address all telephone calls and correspondence to:

Christine A. Goddard
COZEN O'CONNOR
1900 Market Street
Philadelphia PA 19103
Telephone No.: (215) 665-2000
Facsimile No.: (215) 665-2013

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: Muthiah Manoharan	 Signature Date of Signature: <u>2/27/2004</u> Citizenship: <u>United States of America</u>
Mailing Address: 25 Circle Drive Weston, Massachusetts 02493	
City/State of Actual Residence: Weston, Massachusetts	

Name: Brenda Baker	_____ Signature Date of Signature: _____ Citizenship: <u>United States of America</u>
Mailing Address: 2147 Avenida Toronga Carlsbad, California 92009	
City/State of Actual Residence: Carlsbad, California 92009	

DOCKET NO. ISIC0010-101(CHEM0004US.P1)

PATENT

Name: Anne Eldrup	Signature _____ Date of Signature: _____ Citizenship: <u>Denmark</u>
Mailing Address: 816 Ridgebury Rd. Ridgefield, CT 06877	
City/State of Actual Residence: Ridgefield, CT 06877	

Name: Balkrishen Bhat	Signature _____ Date of Signature: _____ Citizenship: <u>India</u>
Mailing Address: 911 Rosemary Avenue Carlsbad, California 92009	
City/State of Actual Residence: Carlsbad, California 92009	

Name: Richard H. Griffey	Signature _____ Date of Signature: _____ Citizenship: <u>United States of America</u>
Mailing Address: 360 Barsby Street Vista, California 92084	
City/State of Actual Residence: Vista, California 92084	

Name: Eric E. Swayze	Signature _____ Date of Signature: _____ Citizenship: <u>United States of America</u>
Mailing Address: 7789 Palenque Street Carlsbad, California 92009	
City/State of Actual Residence: Carlsbad, California 92009	

DOCKET NO. ISIC0010-101(CHEM0004US.P1)

PATENT

Name: Thazha P. Prakash	Signature _____ Date of Signature: _____ Citizenship: <u>India</u>
Mailing Address: 6928 Peartree Drive Carlsbad, California 92009	
City/State of Actual Residence: Carlsbad, California 92009	

Name: Stanley T. Crooke	Signature _____ Date of Signature: _____ Citizenship: <u>United States of America</u>
Mailing Address: 3211 Piragua Street Carlsbad, California 92008	
City/State of Actual Residence: Carlsbad, California 92008	



DOCKET NO. ISIC0010-101(CHEM0004US.P1)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Muthiah Manoharan, Brenda Baker, Anne Eldrup, Balkrishen Bhat, Richard H. Griffey, Eric E. Swayze, Thazha P. Prakash, and Stanley T. Crooke

Group Art Unit: 1614

Examiner: Not Yet Assigned

Title: Cross-Linked Oligomeric Compounds and Their Use in Gene Modulation

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a



Utility Patent



Design Patent

is sought on the invention, whose title appears above, the specification of which:

is attached hereto. ☒ was filed on November 4, 2003 as Serial No. 10/701,012

said application having been amended on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a-d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

DOCKET NO. ISIC0010-101(CHEM0004US.P1)

PATENT

Priority Claimed (If X'd)	Country	Serial Number	Date Filed
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Serial Number	Date Filed	Patented/Pending/Abandoned
10/606,510	June 26, 2003	Pending
10/078,949	February 20, 2002	Pending
09/479,783	January 7, 2000	Pending
08/870,608	June 6, 1997	Patented
08/659,440	June 6, 1996	Patented

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

Serial Number	Date Filed
60/423,760	November 5, 2002

DOCKET NO. ISIC0010-101(CHEM0004US.P1)

PATENT

I hereby appoint:

☒ Practitioners at Customer Number:

34138



to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Address all telephone calls and correspondence to:

Christine A. Goddard
COZEN O'CONNOR
1900 Market Street
Philadelphia PA 19103
Telephone No.: (215) 665-2000
Facsimile No.: (215) 665-2013


I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: Muthiah Manoharan	Signature Date of Signature: _____ Citizenship: <u>United States of America</u>
Mailing Address: 25 Circle Drive Weston, Massachusetts 02493	
City/State of Actual Residence: Weston, Massachusetts	

Name: Brenda Baker	Signature Date of Signature: _____ Citizenship: <u>United States of America</u>
Mailing Address: 2147 Avenida Toronga Carlsbad, California 92009	
City/State of Actual Residence: Carlsbad, California 92009	

DOCKET NO. ISIC0010-101(CHEM0004US.P1)

PATENT

Name: Anne Eldrup	 _____ Signature Date of Signature: <u>March 8, 2004</u> Citizenship: <u>Denmark</u>
Mailing Address: 816 Ridgebury Rd. Ridgefield, CT 06877	
City/State of Actual Residence: Ridgefield, CT 06877	

Name: Balkrishen Bhat	_____ Signature Date of Signature: _____ Citizenship: <u>India</u>
Mailing Address: 911 Rosemary Avenue Carlsbad, California 92009	
City/State of Actual Residence: Carlsbad, California 92009	

Name: Richard H. Griffey	_____ Signature Date of Signature: _____ Citizenship: <u>United States of America</u>
Mailing Address: 360 Barsby Street Vista, California 92084	
City/State of Actual Residence: Vista, California 92084	

Name: Eric E. Swayze	_____ Signature Date of Signature: _____ Citizenship: <u>United States of America</u>
Mailing Address: 7789 Palenque Street Carlsbad, California 92009	
City/State of Actual Residence: Carlsbad, California 92009	

DOCKET NO. ISIC0010-101(CHEM0004US.P1)

PATENT

Name: Thazha P. Prakash	Signature _____ Date of Signature: _____ Citizenship: <u>India</u>
Mailing Address: 6928 Peartree Drive Carlsbad, California 92009	
City/State of Actual Residence: Carlsbad, California 92009	

Name: Stanley T. Crooke	Signature _____ Date of Signature: _____ Citizenship: <u>United States of America</u>
Mailing Address: 3211 Piragua Street Carlsbad, California 92008	
City/State of Actual Residence: Carlsbad, California 92008	